

What is claimed is:

1. An image display device comprising:
a light source;
a display panel disposed in front of said light
5 source and having a plurality of pixel sections in the form
of a matrix, each of said pixel sections including a first
pixel for displaying an image for the first viewpoint and a
second pixel for displaying an image for the second
viewpoint, said second pixel being disposed at a position
10 apart from said first pixel in a first direction; and
an optical unit disposed in front of said display
panel for deflecting light emitted from said first and
second pixels in the first direction,
wherein each of said first and second pixels includes
15 a transmissive region for transmitting the light emitted
from said light source to said optical unit and a reflective
region for reflecting the exterior light incident from the
front to said optical unit, and wherein said transmissive
region and said reflective region are arranged in a second
20 direction perpendicular to the first direction in each pixel.
2. An image display device according to Claim 1,
wherein said optical unit is a lenticular lens in which a
plurality of cylindrical lenses is arranged in the first
direction, said cylindrical lenses being disposed in each
25 line in which said pixel sections extend in the second
direction corresponding to the longitudinal direction of
said cylindrical lens.
3. An image display device according to Claim 1,

wherein said optical unit is a parallax barrier in which a plurality of slits is arranged in the first direction, said slits being formed for each line in which said pixel sections extend in the second direction corresponding to the longitudinal direction of said slit.

4. An image display device comprising:

a light source;

a display panel disposed in front of said light source and having a plurality of pixel sections in the form of a matrix, each of said pixel sections including at least a first pixel for displaying an image for the first viewpoint and a second pixel for displaying an image for the second viewpoint, said second pixel being disposed at a position apart from said first pixel in a first direction;

and

a parallax barrier interposed between said light source and said display panel, said parallax barrier being formed by arranging a plurality of slits for deflecting the light emitted from said light source in the first direction, in which case, said slits are disposed in each line of said pixel sections extending in a second direction perpendicular to the first direction, said second direction being the longitudinal direction of said slits,

wherein each of said first and second pixels includes a transmissive region for transmitting the light emitted from said light source and passed through slits of said parallax barrier to the front and a reflective region for reflecting the exterior light incident from the front to the

front, and wherein said transmissive region and said reflective region are arranged in the second direction in each pixel.

5. An image display device according to Claim 1,
5 wherein each of said transmissive region and said reflective region is divided into a plurality of sub-regions for color different from each other, and sub-regions for the same color are arranged along the first direction.

6. An image display device according to Claim 4,
10 wherein each of said transmissive region and said reflective region is divided into a plurality of sub-regions for color different from each other, and sub-regions for the same color are arranged along the first direction.

7. An image display device according to Claim 1,
15 wherein each of said transmissive region and said reflective region is divided into a plurality of sub-regions for color different from each other, and sub-regions for the same color are arranged along the second direction.

8. An image display device according to Claim 4,
20 wherein each of said transmissive region and said reflective region is divided into a plurality of sub-regions for color different from each other, and sub-regions for the same color are arranged along the second direction.

9. An image display device according to Claim 5,
25 wherein each of said at least one transmissive region and said at least one reflective region is divided into a red sub-region, green sub-region and blue sub-region.

10. An image display device according to Claim 1,

wherein said display panel is a liquid crystal display panel.

11. An image display device according to Claim 1,
wherein said first direction is a horizontal direction of a
display plane.

5 12. An image display device according to Claim 11,
wherein said image for said first viewpoint is an image for
the left eye and said image for said second viewpoint is an
image for the right eye which has a parallax with respect to
said image for the right eye to thereby provide a three-
10 dimensional image.

13. An image display device according to Claim 1,
wherein said first direction is a vertical direction of a
display plane.

14. A portable terminal device including said image
15 display device according to Claim 1.

15. A portable terminal device according to Claim 14,
wherein said portable terminal device is any one of a
cellular phone, portable terminal, PDA, game device, digital
camera and digital video camera.

20 16. A display panel comprising a plurality of pixels
in the form of a matrix, wherein each pixel includes a
transmissive region for transmitting light and a reflective
region for reflecting light, each of said transmissive
region and said reflective region is divided into a red sub-
25 region, green sub-region and blue sub-region and wherein the
array direction of said transmissive region and reflective
region is the same as that of said red sub-region, said
green sub-region and said blue sub-region in each pixel.